About Informatics

Using computers to combat cancer: all about the EDRN Informatics effort.
EDRN's research collects massive amounts of data, from which scientists draw conclusions about cancer, and gain insights and wisdom on early detection and prevention. However, managing and sharing all of that data and information would not be possible without informatics, using computers and networks to share and spread knowledge.

EDRN benefits from a partnership between the National Cancer Institute, the National Aeronautics and Space Administration, and EDRN's Data Management and Coordinating Center to develop cutting edge informatics tools.

Current Projects

EDRN is developing a complete knowledge environment whose architecture is depicted below.

Click on any component of the architecture above to learn more.

Online Informatics Resources

Find EDRN Protocols
> Enables search of protocols by site, study type, specimen collection, or cancer type. No login required.

Common Data Element Search
> Search the Common Data Elements (CDEs) online. No login required.

Common Data Elements (CDEs)Common Data Elements
> The CDEs in printable (PDF) format or in Microsoft Excel spreadsheet format.

ERNE Specimen search
> Search the ERNE virtual specimen bank. ***Login required.***

Search for Biological Specimens
> Search for specimens within the EDRN by organ site, specimen type, and principal investigator. ***Login required.*** .

More Information

EDRN Informatics (QuickTime video)
> Short video describing the status of EDRN's informatics efforts.

Fred Hutchinson Cancer Research Center
> Home of EDRN's Data Management and Coordinating Center

NASA Jet Propulsion Laboratory
> Developers of software for cancer research and space exploration

Serving Up Specimens: NASA−NCI Project Links Databases Across the Country
> Article describing the ERNE virtual specimen bank